

Claims:

1. Valve body with a needle (22) and a cartridge (21) with a recess (211), which takes in the needle (22) and which comprises on one of its ends a seat plate (213), that comprises
5 a needle seat (2132) for the inward opening needle (22), with the needle (22) further comprising a seat-part (221) with a sealing area (222), that is destined to rest on the needle seat (2132), if it is pushed against the needle seat (2132),
10 with the seat-part (221) comprising a cavity radially inwards and in proximity to the sealing area (222).
2. Valve body in accordance with claim 1 with the cavity being formed as a blind hole (223).
- 15 3. Valve body in accordance with one of the preceding claims with a filler part (226), that is taken in the cavity.
4. Valve body in accordance with claim 3 with the filler part
20 (226) protruding into a sack volume (2133) formed in the seat plate (213).
5. Valve body in accordance with one of the claims 3 or 4, with the filler part (226) consisting of plastics.
- 25 6. Valve body in accordance with one of the preceding claims with the cavity being formed in an annular shape.
7. Valve body in accordance with claim 6 with part of the
30 seat part (221) protruding into a sack volume (2133) formed in the seat plate (213).
8. Valve body in accordance with one of the preceding claims with the seat part (221) being spherically shaped.

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9. Valve body in accordance with claim 8 with the seat part (221) being formed by a ball (228) with a hole passing through the ball (228), where the needle (22) is taken in and which forms together with the needle (22) a cavity.

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10. Fluid injector with a housing (1), an actuator unit and a valve body (2) in accordance with one of the preceding claims.